

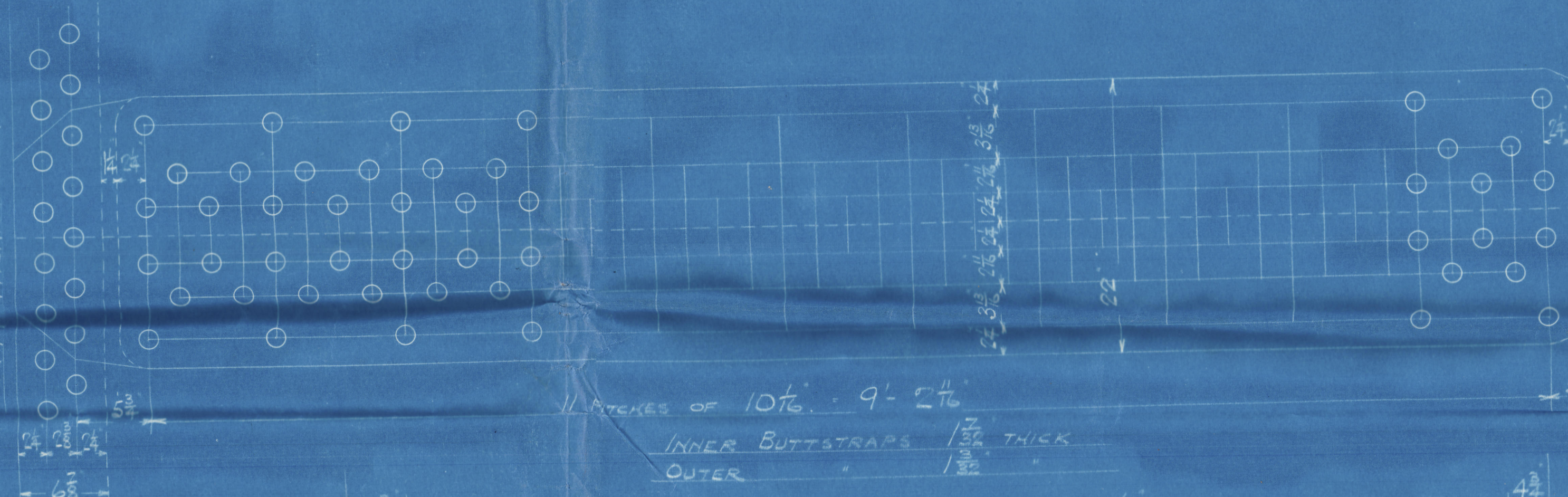
SURFACES	ONE BOILER	2 BOILERS
TUBES	2288 #	4576 #
FIREBOX TOP AND SIDES	156 "	310 "
BACK	85 "	170 "
TUBEPLATE	58 "	116 "
FURNACES	152 "	306 "
TOTAL HEATING SURFACE	2739 #	5478 #
GRATE AREA (5-6 BARS)	60 #	120 #
TUBE AREA	1077 "	2154 "
WATER AREA	164 "	328 "
STEAM SPACE	525 #	1070 #
GRATE AREA : HEATING SURFACE	1 : 45.4	
: TUBE	1 : 37.9	
: WATER AREA	5.6 : 1	
: STEAM SPACE	1 : 5.87	
% BOILER ABOVE FIREBOX	32.6	
WEIGHT OF WATER	28 1/2 TONS	57 TONS

RIVETING	LONG	BACK END CIRC	FRONT END CIRC
RIVET HOLE DIA	1 1/8	1 1/8	1 1/8
PITCH	10 1/2	4-08	3-4-28
% PLATE	85.09	63.2	59.9
% RIVET	87.5	46.2	46.4
% COMBINED	87.7		

LIMITS OF TENSILE STRENGTH & MATERIAL	
SHELL & BUTTSTRAPS	30 TO 34 TONS
GIRDERS	28 " 32 "
OTHER PLATES	26 " 30 "
FURNACES	26 " 30 "
MAIN STAYS	28 " 32 "
SCREENED STAYS	26 " 30 "
RIVET BARS	26 " 30 "

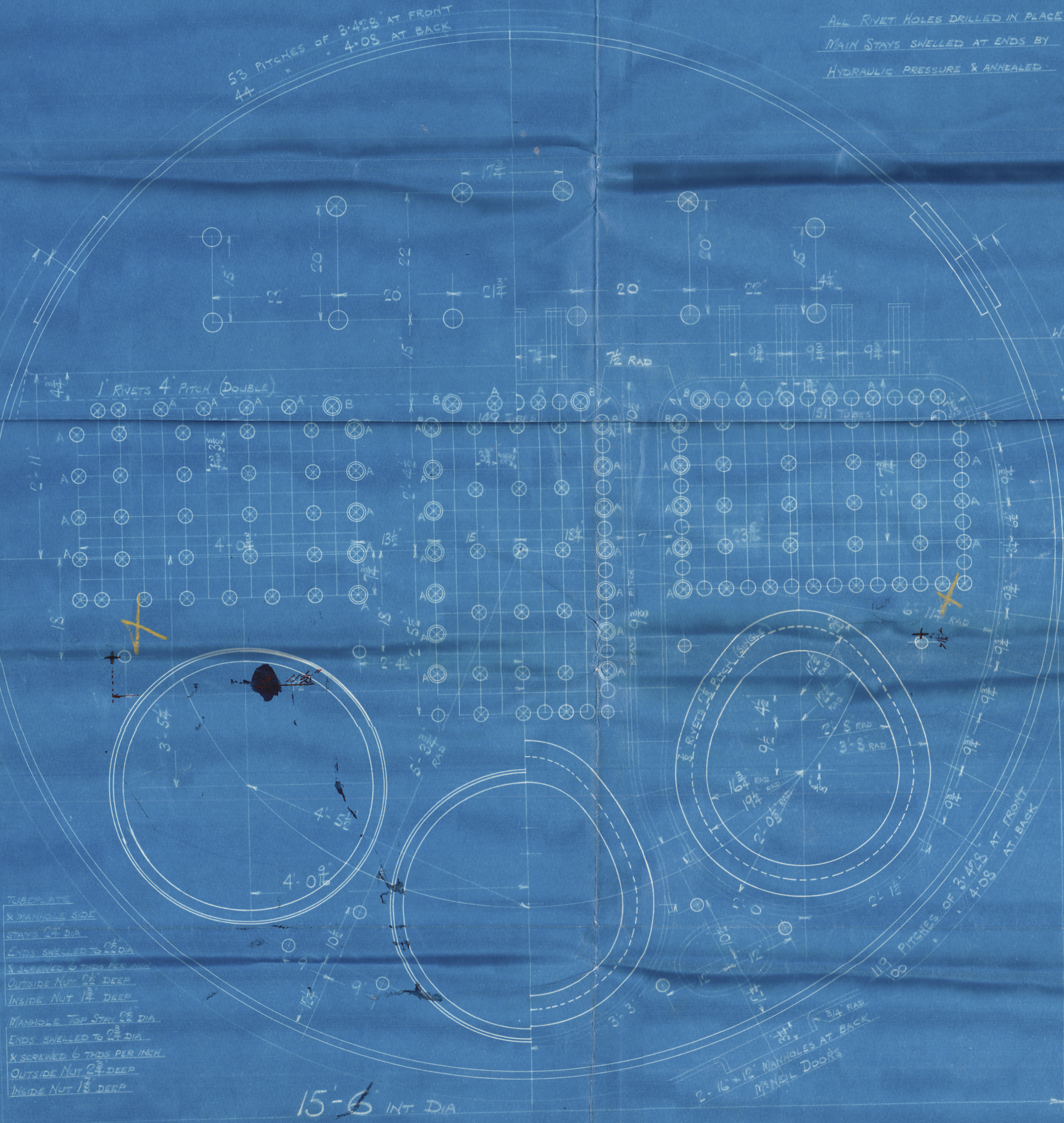
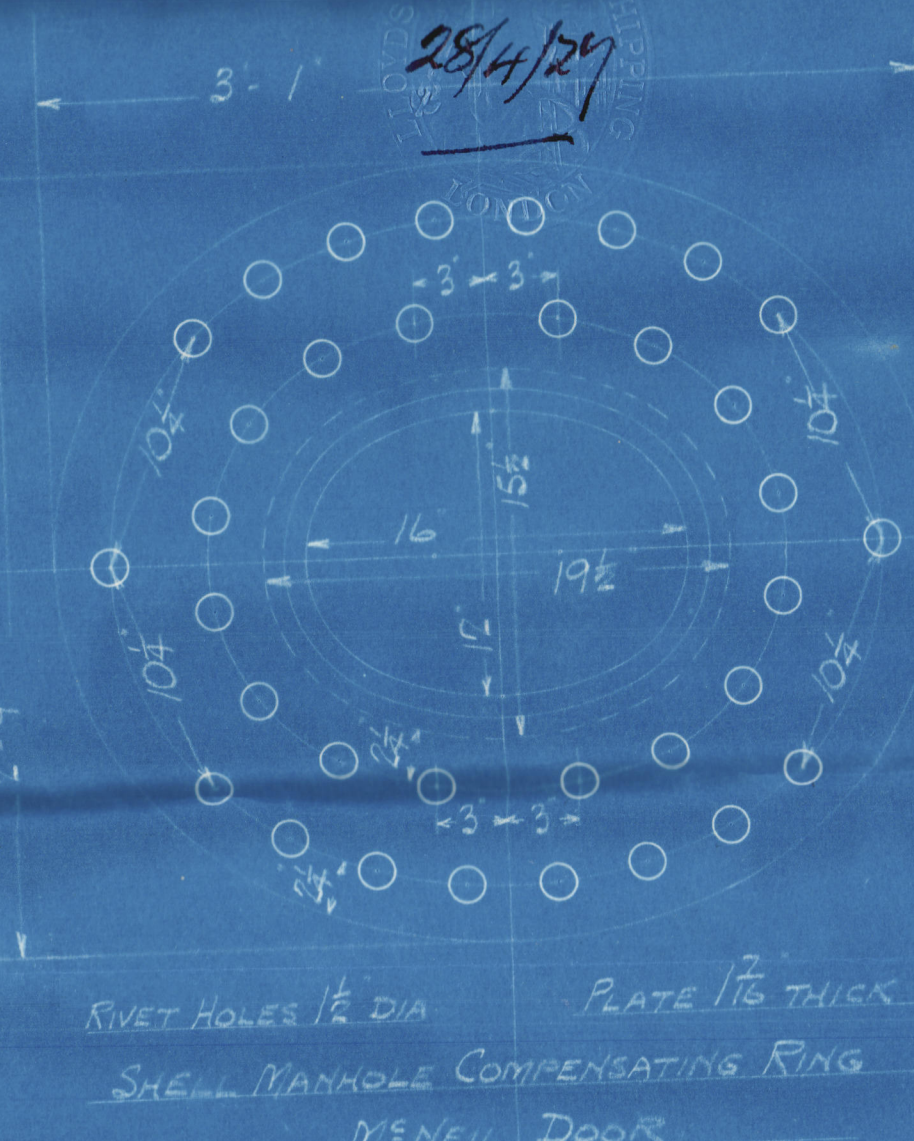
SEYMOUR MARTINSON

BACK END CIRCUMFERENCE
141 PITCHES OF 4-08

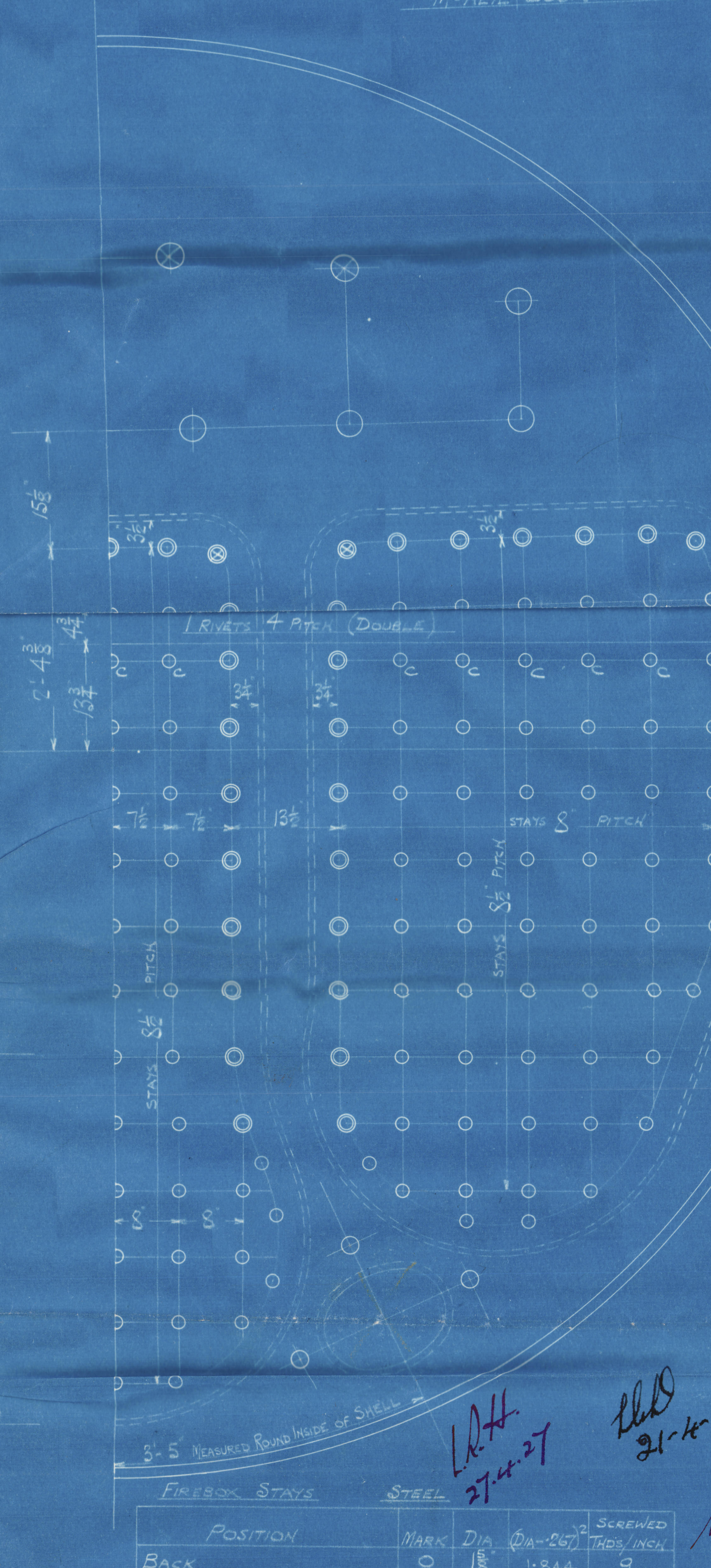
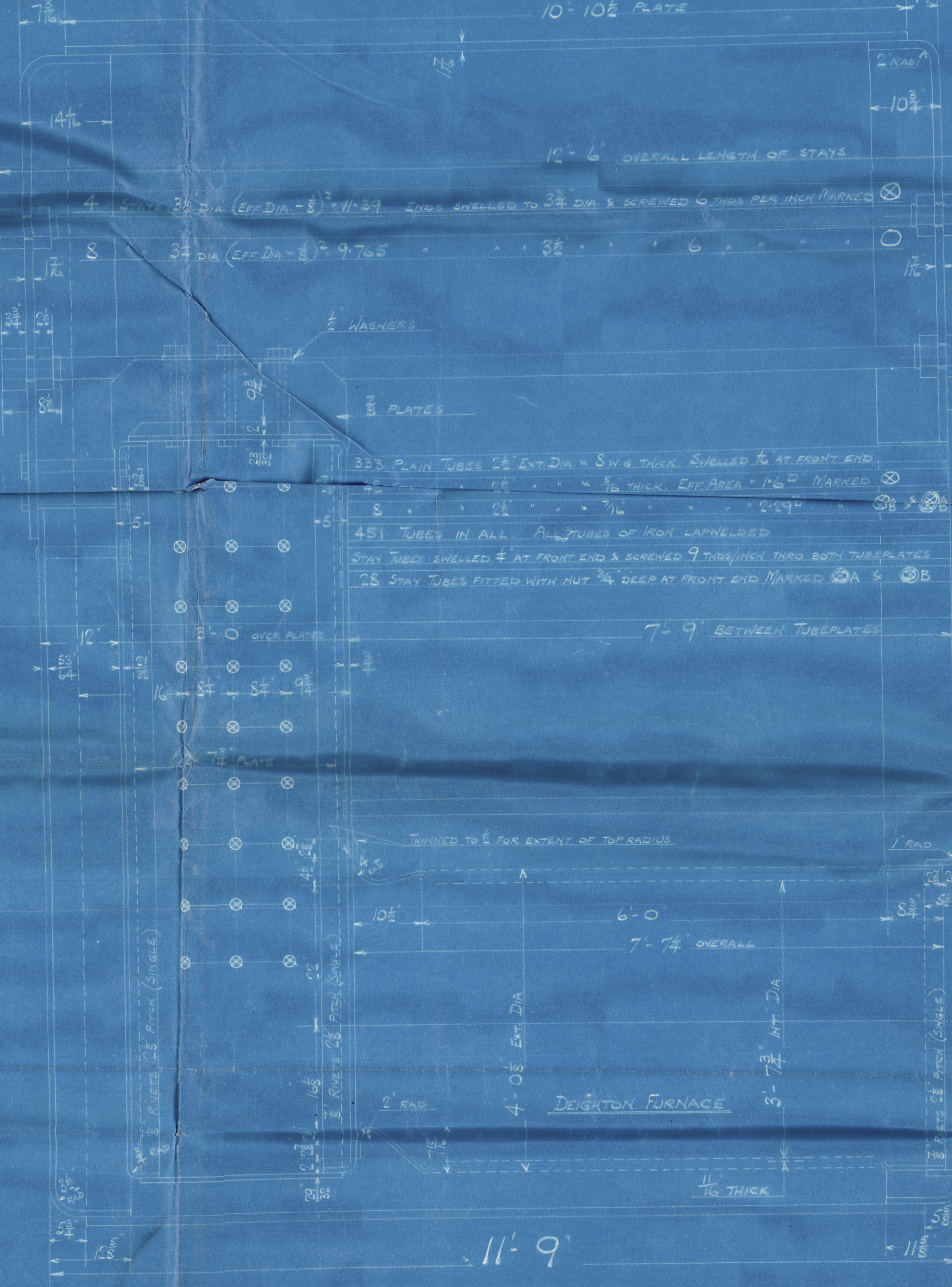


ALL RIVET HOLES DRILLED IN PLACE
MAIN STAYS SHELLS AT ENDS BY
HYDRAULIC PRESSURE & ANNEALED

FRONT END CIRCUMFERENCE
172 PITCHES OF 3-4-28



TUBES WITH
MANHOLE SIDE
STAYS 2 1/2 DIA
ENDS SHELLS TO 1 1/2 DIA
ANNEALED TO 1 1/2 DIA
OUTSIDE NUT 1 1/2 DEEP
INSIDE NUT 1 1/2 DEEP
MANHOLE TOP STAY 2 1/2 DIA
ENDS SHELLS TO 1 1/2 DIA
X SCREENED 6 THICK PER INCH
OUTSIDE NUT 1 1/2 DEEP
INSIDE NUT 1 1/2 DEEP



- AFT MAIN BOILER -
2 OFF
CONT. N° 859

WORKING PRESSURE 220 LBS PER SQUARE INCH
TEST 380
TO PASS LLOYD'S SURVEY
SCALE: 1/8" = ONE FOOT

POSITION	MARK	DIA	QTY	SCREENED THICK INCH
BACK	0	1 1/8	1844	9
TOP & SIDES	0	1 1/8	2199	9
BACK WIDE SPACE & TOP ROW	0	1 1/8	2555	9
BACK TOP CORNER	0	1 1/8	2936	9

ALL FIREBOX STAYS SCREENED THRO' BOTH PLATES AND NOT FITTED AT
EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL AND STAYS
MARKED C IN BACK BOTTOM END WHICH PROTECT S AND ARE CAULKED
ALL 1 1/8 NUTS 1 1/2 DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE
NUTS ARE 1 1/2 DEEP
ALL 1 1/8 NUTS 1 1/2 DEEP
ALL 1 1/8 NUTS 1 1/2 DEEP



OT 32677A
W381-0118
© 2020
Lloyd's Register
Foundation

GLASGOW

D. ROWAN & CO. LD

(2) MAIN BOILERS N^o 859

AMENDED PLAN 21-4-27

WP - 220 LBS N^o

W. HAMILTON & CO. LD N^o 399

RETAIN

TWO AFTER BOILERS

N^o 14616

LLOYD'S TEST

380 LBS

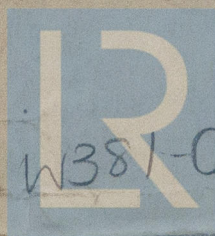
WP - 220 LBS

L.C.D.

5-10-27

Cymbeline
GLASGOW REPORT No. 47322

RETAIN



© 2020

W381-0118 Lloyd's Register
Foundation